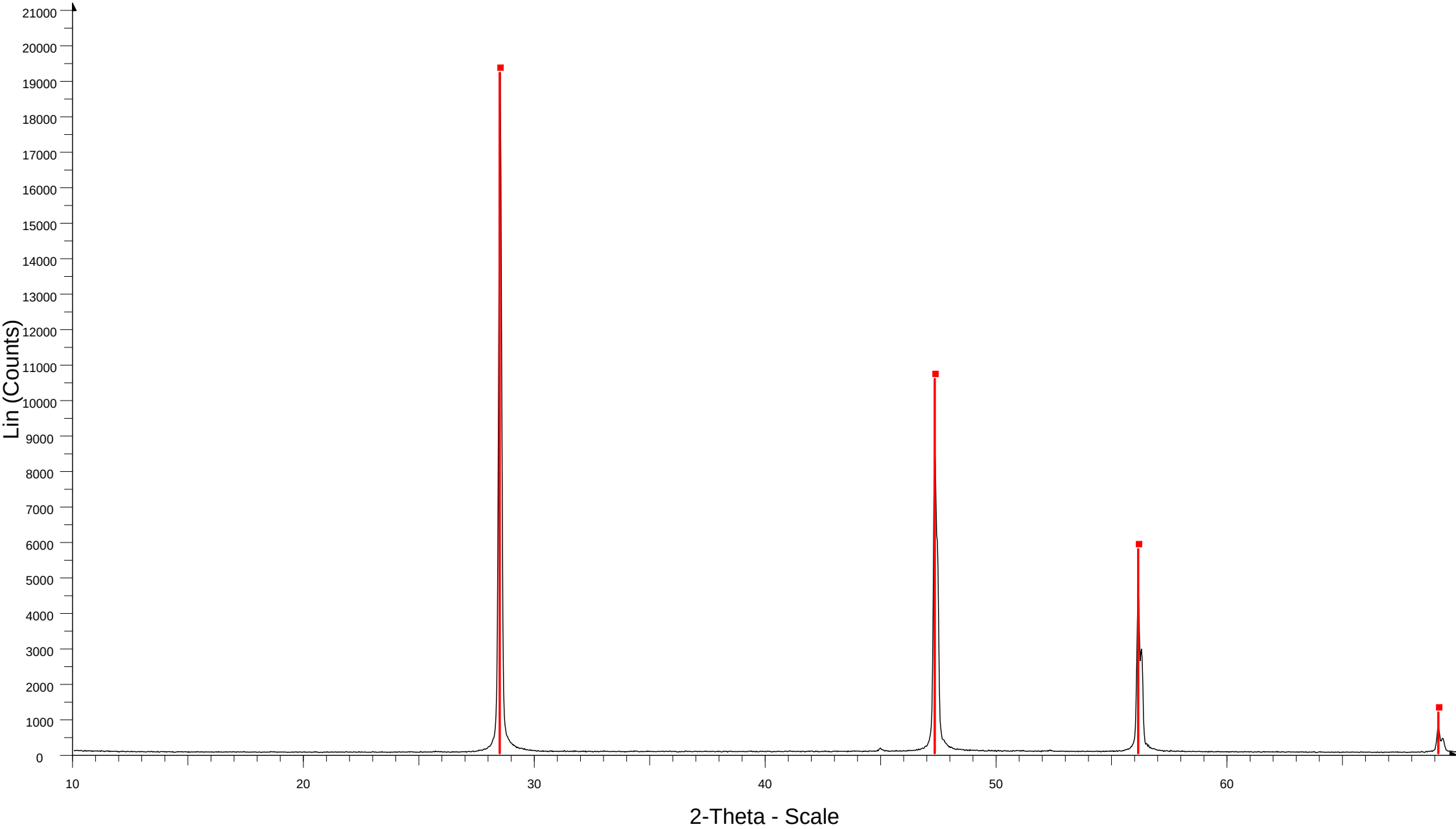
PATRÓN DE SI NIST SRM 640C (D8C) 15-05-09



NIST SI TTK450 15-05-09 12 - File: NIST SI TTK450 15-05-09 12.raw - Type: 2Th/Th locked - Start: 10.000 ° - End: 69.977 ° - Step: 0.030 ° - Step time: 401. s - Temp.: 954 °C - Time Started: 9 s - 2-Theta: 10.000 ° - Theta: 5.000
Operations: Import

00-027-1402 (*) - Silicon, syn - Si - Y: 100.00 % - d x by: 1. - WL: 1.54186 - Cubic - a 5.43088 - b 5.43088 - c 5.43088 - alpha 90.000 - beta 90.000 - gamma 90.000 - Face-centered - Fd-3m (227) - 8 - 160.181 - I/Ic PDF 4.7 - F11=

INFORME DE CALIBRACIÓN

Si NIST 640c D8C TTK450 15-05-09

Range Number : 1

R-Values

Rexp : 7.85	Rwp : 13.12	Rp : 8.81	GOF : 1.67
Rexp`: 8.23	Rwp`: 13.75	Rp` : 9.60	DW : 0.84

hkl Phase - 1 Lebail method

Phase name	Silicio	
R-Bragg	0.511	
Spacegroup	227	
Cell Mass	0.000	
Cell Volume (Å^3)	159.7844(51)	
Wt% - Rietveld	0.000	
Crystallite Size		
Cry Size Lorentzian (nm)	205.7(40)	
k: 1 LVol-IB (nm)	131.0(26)	
k: 0.89 LVol-FWHM (nm)	183.1(36)	
Strain		
Strain G	0.0939(82)	
4 e0	0.0235(20)	
Lattice parameters		**NIST 640c Certificate**
a (Å)	5.426396(58)	**5.43311946(92)**

h	k	l	m	d	Th2	I
1	1	1	8	3.13293	28.46667	140
0	2	2	12	1.91852	47.34475	248
3	1	1	24	1.63612	56.17348	197
2	2	2	8	1.56647	58.91037	0.126
0	0	4	6	1.35660	69.19607	52.4